

Bristle Blaster® Electric



MONTI

YOUR SURFACE – OUR PASSION



Konformitätserklärung

MONTI

MONTI - Werkzeuge GmbH
Reisertstr. 21
53773 Hennef
Deutschland

erklären in alleiniger Verantwortung, dass das Produkt

Bristle Blaster® Electric 230 V | 50 Hz
Bristle Blaster® Electric 230 V | 60 Hz
Bristle Blaster® Electric 120 V | 60 Hz

auf das sich diese Erklärung bezieht, mit den folgenden Normen übereinstimmt

DIN EN 60745-2-3 (VDE 0740-2-3)

gemäß den Bestimmungen der Richtlinien

2006/42/EG, 2014/35/EU, 2014/30/EU

MONTI - Werkzeuge GmbH

Hennef, 20.09.2016

Volker Jannaschk, Managing Director

Dear customer!

MONTI thanks you for the purchase of one of its products and invites you to read these operating instructions. All the necessary information for the correct use of the tool purchased is included here. It is therefore recommended to read the instructions completely and to follow the information they contain. Please keep the manual in good condition. The contents of this manual may be changed without notice and without the implication of any additional obligations so that changes and improvements can be made in copies already sent.

It is forbidden to copy or translate any part of this manual without the prior written approval of the manufacturer.

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1. RESPONSIBILITY OF THE OWNER AND/OR USER OF THE TOOL

These operating instructions form part of the items supplied for the Bristle Blaster® and must always accompany this tool, also if sold. The owner and/or user of the Bristle Blaster® must be familiar with the instructions for use before placing the Bristle Blaster® in operation.

The manufacturer is not liable for injuries or damage due to incorrect or improper usage of the Bristle Blaster®.

2. PACKAGING

The packaging material must be disposed of in accordance with local regulations.

3. IMPORTANT SAFETY INFORMATION AND SAFETY INSTRUCTIONS

The statutory health and safety regulations, generally recognised safety and occupational health rules, as well as the health and safety regulations for power-driven equipment are to be observed. Any use beyond these limits is considered incorrect. The manufacturer is not liable for any resulting damage. The operating instructions form part of the items supplied and are to be provided to the new user on the resale of Bristle Blaster®. To ensure safe operation, it is to be ensured that the Bristle Blaster® is only operated, serviced or repaired by appropriately trained personnel. Qualified personnel are individuals who, due to their training, experience and instruction as well as their knowledge of applicable standards, stipulations, health and safety regulations, are qualified to undertake the related necessary actions and can identify and avoid possible hazards during this process.

The operating organisation must ensure that personnel tasked with operation, maintenance and servicing have read and understood the operating instructions and follow all points in the instructions:

- To avert hazards for the life and limb of the user and others
- To ensure the reliability of the Bristle Blaster® and
- To prevent downtime and pollution due to incorrect actions.

The responsibilities for the work must be clearly defined and observed so that there are no unclear areas of authority in relation to safety. The mechanical servicing tasks are to be undertaken at the stipulated intervals and with the stipulated scope.

After maintenance tasks, all safety features removed must be correctly re-fitted. The safety features and their protective action must be checked by an expert prior to placing the tool in operation. Removing, disengaging and / or bypassing safety features (covers, trim panels, starter switch, etc.) and/or safety guards can cause injury or damage and are therefore strictly forbidden by the manufacturer!

The manufacturer provides a warranty for the Bristle Blaster® in accordance with its general terms and conditions.

Claims under the warranty will be void if:

- Damage is caused by improper operation,
- Repairs or modifications are made by unauthorised individuals,
- Accessories and spare parts are used that are not suitable for the Bristle Blaster®.

Malfunctions must be reported immediately on detection. The Bristle Blaster® must be marked correspondingly. Defects are to be repaired without delay to minimise damage and to avoid degrading the safety of the tool. Claims under the warranty will be rendered void if this instruction is not followed.

4. WORKING AREA

1. Keep working area clean. Cluttered working areas and benches signify a risk of injury.
2. Never allow children, unauthorised individuals or individuals without safety glasses and other protective equipment to enter the working area.
3. Always operate tool in a well ventilated working area. **Never** work with this tool near flammable liquids or gases. The motor on this tool can produce sparks in normal operation, and sparks can cause a fire.



4.1 Personal safety

1. Wear suitable protective clothing. **Never** wear loose clothing or jewellery or other items of clothing that could be trapped by moving parts. Wear gloves and shoes with non-slip soles. Protect long hair with a head band or hair net to prevent the trapping of hair by moving parts.
2. Always wear safety glasses, face mask, hearing protection, gloves and suitable protective clothing!
3. Ensure the tool can be held safely during operation. Always ensure you are standing firmly and securely.

4.2 Tool usage and duty of care

1. After fitting accessories such as the adapter system and Bristle Blaster® Belt, always remove hex socket wrench. **Always ensure** the hex socket wrench is removed prior to switching on the tool.
2. Prevent unintentional starting of the tool. **Never** carry the connected tool with your hand on the starter switch. Ensure the starter switch is not actuated on connection to the power supply.
3. Exercise care. Handle tool with care. Use your common sense.
4. **Never** operate this or any other tool when you are tired.
5. Work at a distance to ensure other individuals cannot be injured by objects thrown off. During operation, nobody should stand in front of or beside the user.
6. Maintain tool carefully. Follow the instructions on the replacement of accessories. **(See section 5 Placing in operation and 6.1 Servicing).**
7. When not in use, prior to servicing and on changing accessories, switch off tool and disconnect from the power supply.
8. Prior to the replacement and inspection of accessories, such as the adapter system and Bristle Blaster® Belt, the tool is to be isolated from the power supply. Do not perform any servicing work on the tool as long as it is connected to the power supply.
9. Never touch the Bristle Blaster® Belt as long as the tool is in operation.
10. Regularly check electrical cables and replace if damaged. Keep vertical handle and tool body dry, clean and free of oil and grease. **A soiled housing and/or handle can cause accidents.**
11. Always use the tool at the stipulated voltage. A different voltage may damage the tool or cause injuries.
12. Always keep the tool and accessories clean to obtain an effective result from your work. Following the instructions on the servicing of the tool and on changing the accessories. Regularly check the electrical cable and replace it if it is damaged. Regularly clean the fan with a compressed air gun to ensure correct air circulation in the machine.

Further information on health and safety at work is available from the following web sites:

<http://europe.osha.eu.int> (Europe)

<http://www.osha.gov> (USA)

4.3 Special safety instructions

1. Prior to use, check tool for damaged or faulty parts or other conditions that will degrade the operation of the tool. Never use tool if damaged or adjusted incorrectly. Any damaged safety features, starter switch or other faulty parts are to be repaired or replaced by an authorised service engineer, provided there are no other instructions in this manual. Never use tool with faulty starter switch.
2. Use screw clamps or a vice to secure the workpieces to be machined. Always use both hands to operate the tool.
3. **Only use tool with genuine accessories such as the adapter system and Bristle Blaster® Belt. The Bristle Blaster® Belt is specially designed for use on the Bristle Blaster® Electric and is therefore not to be used in conjunction with other accessories or other machines.**
4. After replacement of the Bristle Blaster® Belt, check adapter system for correct assembly.
5. On setting down the tool on a bench or on the floor, the label must always point upward.
6. If the tool is not in use, disconnect from the power supply and store in a suitable, dry place to prevent unintentional or unauthorised use in the absence of an authorised individual.
7. In use, always hold by the tool body and the vertical handle.
8. Use Bristle Blaster® Belt in the correct operating direction.
9. The Bristle Blaster® Belt can produce sparks on machining hard surfaces.
10. Never carry tool by the cable. Protect cable against heat, sharp edges and running over.
11. If the tool suddenly feels different (level of vibration) or produces a different noise (pitch), the tool should be shut down immediately and the accessories such as the adapter system, Bristle Blaster® Belt checked for damage.

4.4 Electrical safety

1. **Never** subject the tool to rain. **Never** work with the tool in a damp or wet environment. Keep your workplace well illuminated for maximum safety. Ensure water **never** enters the electrical tool, as this situation would increase the risk of electrical shock.
2. Protect yourself against electric shock. Avoid contact with earthed surfaces such as pipework, radiator systems, radio systems and cooling systems.
3. If you are working with the tool outdoors, only use extension cables that are approved for work outdoors and that are marked as such (see page 10 Extension cable).
4. When you are using electrical tools, always take all basic safety precautions to prevent injuries due to electric shocks that could place your life and the lives of others at risk.

5. PLACING IN OPERATION

Application:

This tool is used for the removal of corrosion and coatings, and for producing a rough surface profile (anchor profile) using a specially developed Bristle Blaster® Belt.

1. Interrupt supply of power and then fasten Bristle Blaster® 23 mm belt correctly to the tool using the related Adapter System (pay attention to direction of travel) and the related serrated lock washer and screw. **See Fig. 1 and Fig. 2**
2. For Bristle Blaster® 23 mm stainless steel belt only use 40 mm "stainless steel" Accelerator Bar.
3. Before you plug the tool into a socket, you must check that it is possible to actuate the switch correctly and that the switch returns to the "OFF" position when you press on the rear part of the switch. To start the tool, you must release the rear part of the switch and push it forward. You must then release the front part of the switch so that it engages. To stop the tool, you must press the rear part of the switch. The switch then jumps to the "OFF" position. Prior to plugging into a socket, always ensure the switch is not in the "ON" position.
4. Hold tool by the tool body and the vertical handle at the same time.
5. To obtain the best performance, it is to be ensured the accelerator bar is guided close to the surface to be machined. If the accelerator bar is too far from the surface, the performance will drop significantly. **See Fig. 3.** For a more detailed description of the function of the Bristle Blaster® see **the DVD supplied or www.monti.de**
6. Only work using minimum contact pressure. Excessive contact pressure will limit the performance.
7. In all circumstances, prevent the entry of water into the tool.

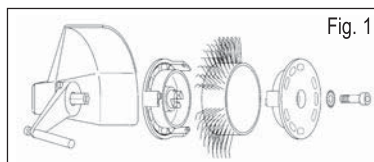


Fig. 1

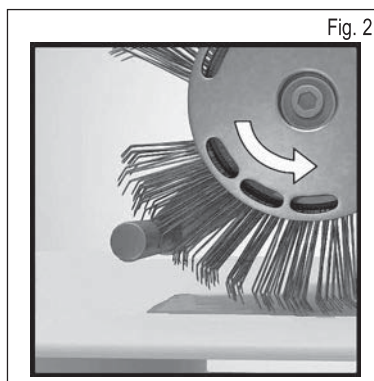


Fig. 2

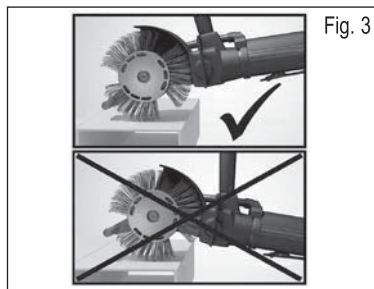
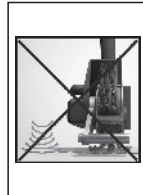
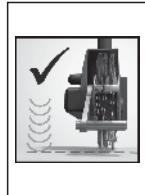


Fig. 3

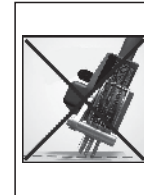
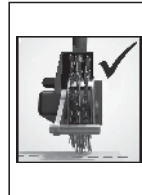
Correct direction of operation



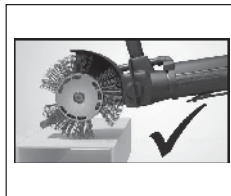
Less contact pressure = longer service life and higher performance



Observe the correct working position!



Holding machine



Angle machining



If the tool does not work correctly, check the following:

Are you using a suitable Bristle Blaster® Belt for the surface to be machined? – Use the most suitable Bristle Blaster® Belt.

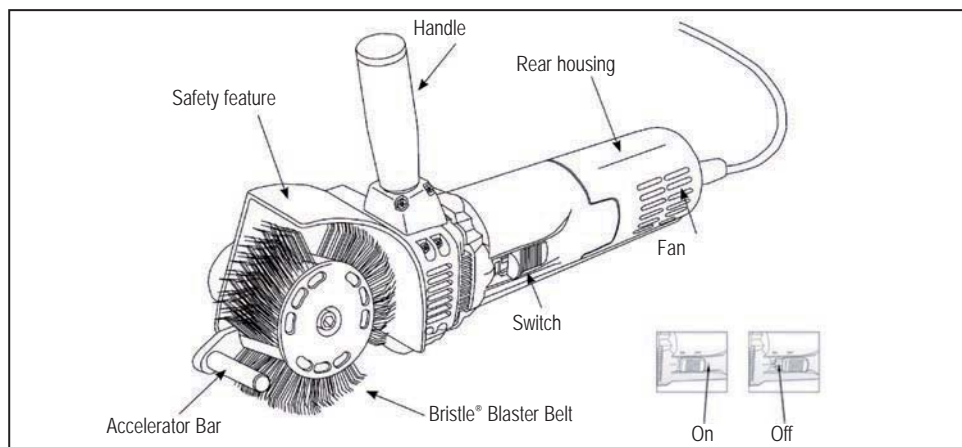
Is the tool operating at the stipulated speed? – Problems with the tool, see section 8, Troubleshooting.

Are you using an Bristle Blaster® Belt with the wrong direction of travel? – Fit the brush belt such that it runs in the correct direction (see section 5, Placing in operation, Fig. 2).

Is the Accelerator Bar showing signs of wear? Check the Accelerator Bar. In case of wear, rotate by approx. 45° or renew.

6. TECHNICAL DATA

Function description



Technical data

Model: Bristle Blaster® Electric 230 V | 50 Hz

Model: Bristle Blaster® Electric 230 V | 60 Hz

Model: Bristle Blaster® Electric 120 V | 60 Hz

No-load speed: 3200 min⁻¹ | Net weight: 2.3 kg | Colour of the ring: orange

Noise/vibration information

The A-weighted noise level of the tool is typically:

Sound pressure level 82 dB (A); sound power level 93 dB (A). **Wear hearing protection!**


The typical weighted acceleration is 2.8 m/sec².

Warning: The two carbon brushes must be replaced together. To reduce the risk of injuries, electrical shocks and damage to the tool, it is important that you never submerge the tool in liquid, and that liquid can never enter the tool from the outside.

 Volt AC

 Ampère

 Double insulated housing

 RoHS

Double insulated housing

The Bristle Blaster® Electric has a double insulated housing. Double insulated housings are manufactured with two separate layers of protection for the electrical insulation or have twice the width insulation between the user and the electrical tool. The Bristle Blaster® Electric, which is equipped with this insulation system, does not need an earthed electrical cable or to be plugged into an earthed socket. For this reason this tool is equipped with a plug that makes it possible to use extension cables that do not need to be earthed. However the double insulation does not replace the usual safety regulations that must be followed on the usage of this tool. This insulation is intended to provide additional protection to protect you from injuries in case of possible electrical damage inside the tool.

Extension cable

Double insulated tools have two-core cables and can be used with two-core or three-core extension cables. Only use sheathed extension cables. If the extension is used outdoors, the cable must be suitable for work outdoors. Any cable that is marked for usage outdoors can also be used for work indoors. For safety reasons an extension cable must have a suitable wire diameter or a suitable wire size (AWG – American Wire Gauge) to protect against power loss and overheating. If you use more than one extension cable, ensure each cable is of at least the minimum wire diameter required.

Before you use an extension cable, you must check it for loose or bare wires, as well as damaged insulation or faulty cable connections. Perform all necessary repairs or replace the complete cable if necessary before you use it.

6.1 Servicing**Warning**

Ensure the tool is switched off and unplugged before you inspect it or service it.

Servicing

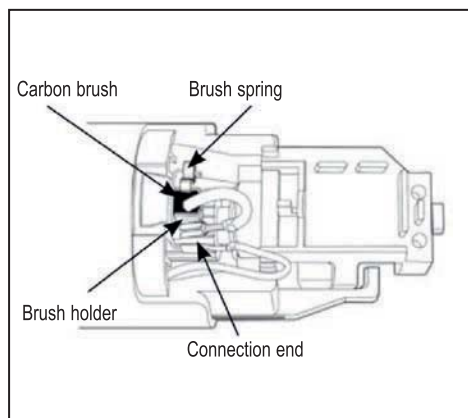
This tool should only be serviced by trained repair specialists for electrical tools or other qualified service personnel for tool.

Cleaning

After use, clean dust from the motor housing and particularly the fan by blowing off with compressed air. This regular servicing action protects against the residue from the abrasion and dust settling on surfaces inside the tool and thus reducing the performance of the motor and the cooling by the fan.

Replacing the carbon brushes

1. Undo the screw for the rear housing and pull the rear housing off the body of the machine.
2. Pull the connector out of the "Faston" terminal on the brush holder flap.
3. Lift the top part of the brush ring by pressing on the top part of the carbon brushes. Use a pliers or a similar tool for this task.
4. Remove the worn carbon brushes from the brush holder and fit new brushes.
5. Re-fit the connector to the brush holder flap.
6. Ensure the two carbon brushes are pressed by the brush rings and that the connectors are connected to the flaps.
7. Re-fit the rear housing and fasten it with the screw.



7. SERVICE INSTRUCTIONS

1. All service work on the tool is only to be undertaken by qualified workshop personnel or the dealer where you purchased the tool. Repair or servicing by unqualified personnel may result in injuries and/or damage to the tool.
2. Only use genuine spare parts on servicing this tool. If parts that are not approved are used or maintenance instructions are not followed, the warranty will be rendered void and there may be a risk of injury.

8. TROUBLESHOOTING

Fault	Cause	Solution
Unusual noise	Mechanical parts insufficiently lubricated	Servicing by qualified engineer
	Bristle Blaster® Belt or other machine parts faulty	Fit new Bristle Blaster® Belt / servicing by qualified engineer
Heavy vibration of the rotating belt	Adapter System not fastened correctly	Re-fit Adapter System
	Foreign body jammed between spindle and Adapter System	Remove object and re-fit
	Adapter system worn	Use new Adapter System
	Bristle Blaster® Belt faulty	Fit new Bristle Blaster® Belt
Adapter System comes undone in operation	Screw not tightened or serrated lock washer not used	Use serrated lock washer and tighten screw
	Screw / serrated lock washer worn	Use new screw / serrated lock washer